

FIG. 1

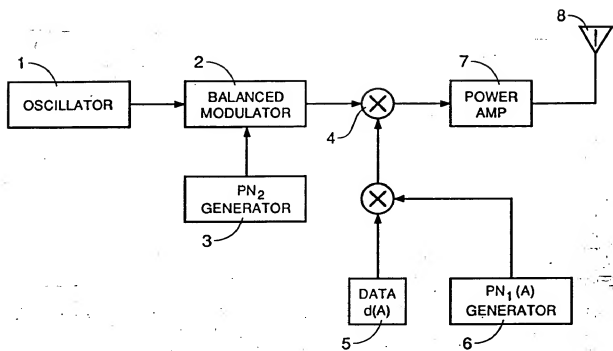


FIG. 2

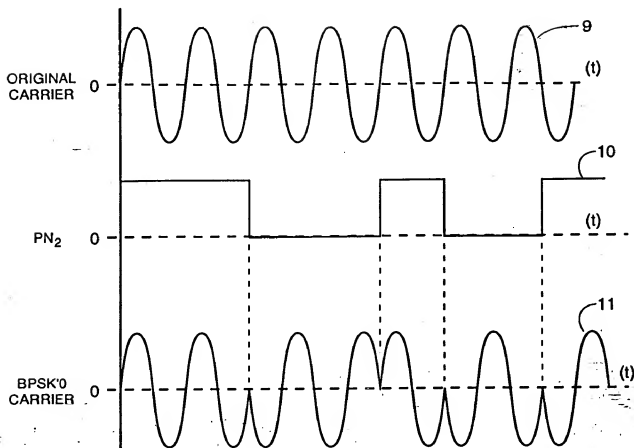


FIG. 3

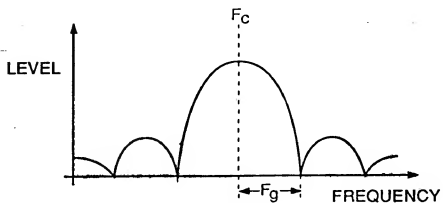
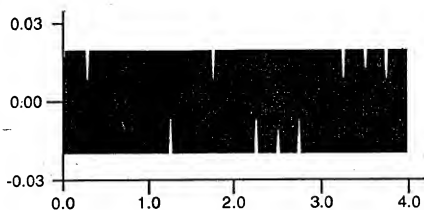


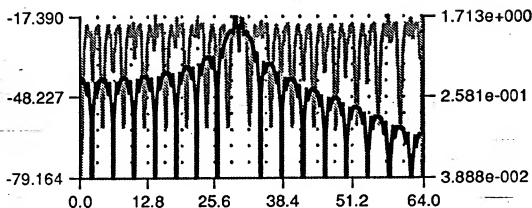
FIG. 4



BIPHASE CARRIER MODULATION

$$\cos\left[\omega_0 t + \frac{\pi}{2} P N_2(t)\right]$$

FIG. 5A



BIPHASE CARRIER MODULATION SPECTRUM

FIG. 5B

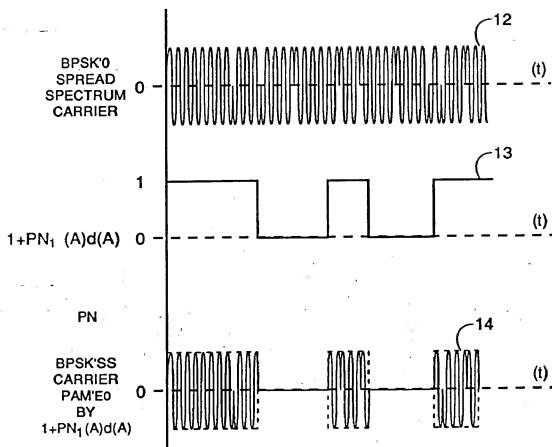


FIG. 6

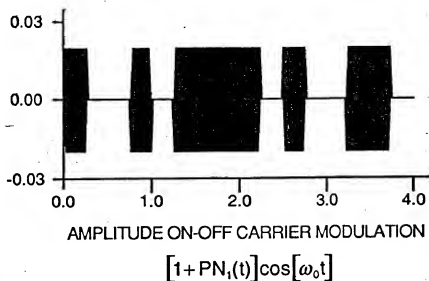


FIG. 7A

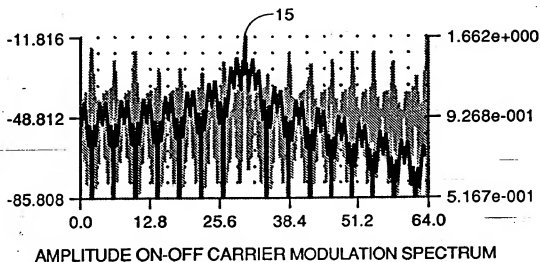
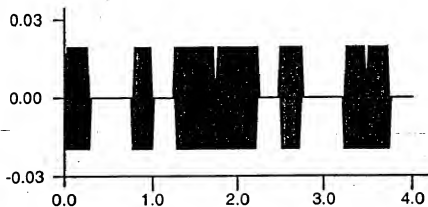


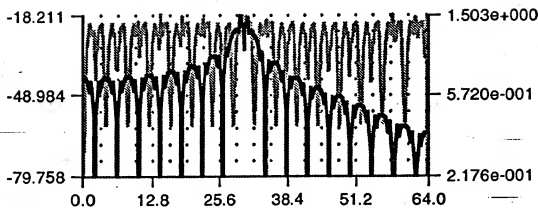
FIG. 7B



AMPLITUDE ON-OFF PLUS
BIPHASE CARRIER MODULATION

$$[1 + PN_1(t)] \cos[\omega_0 t + \pi/2 PN_2(t)]$$

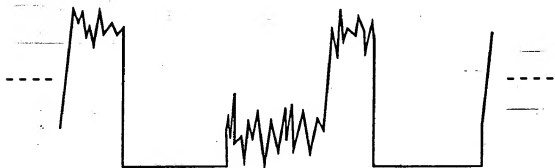
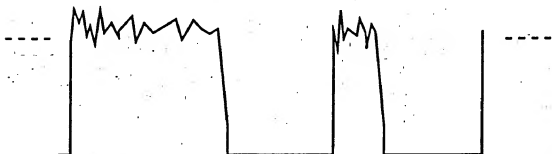
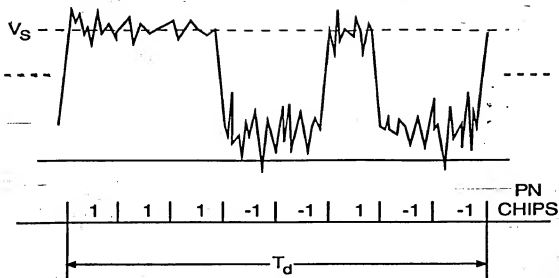
FIG. 8A



AMPLITUDE ON-OFF PLUS BIPHASE
CARRIER MODULATION SPECTRUM

FIG. 8B





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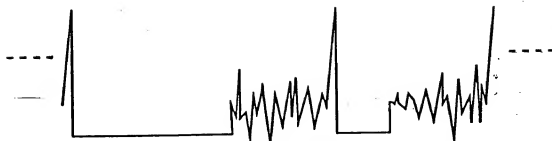


FIG. 13



FIG. 14

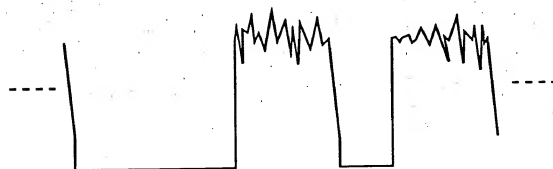


FIG. 15

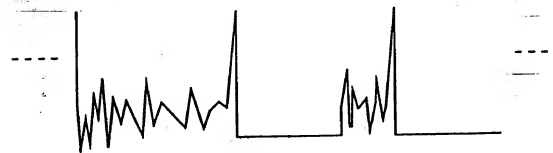


FIG. 16